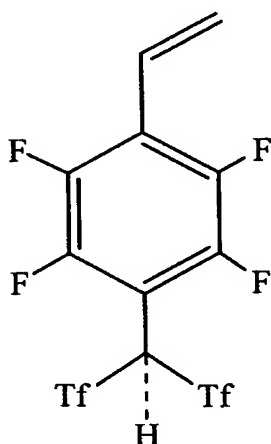
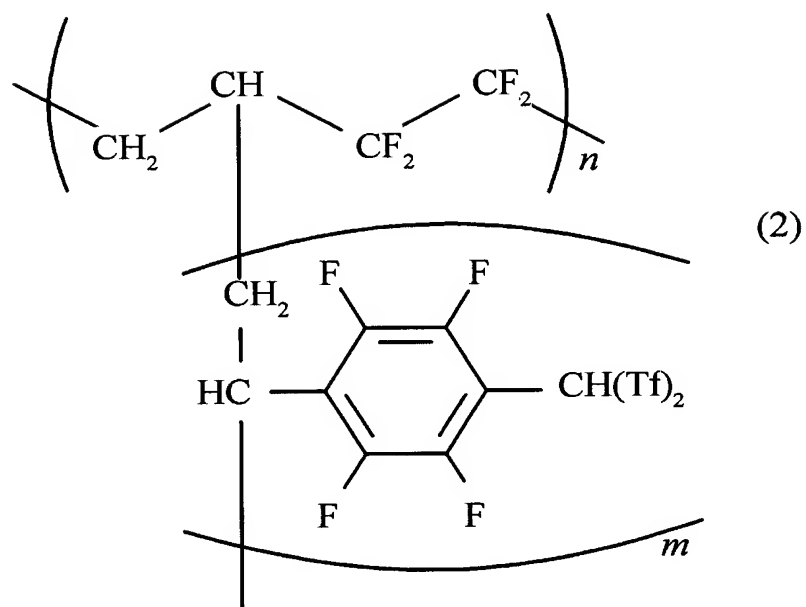


Abstract

A novel polymer electrolyte is provided that enables a solid polymer electrolyte used in fuel cells, for example, to have sufficient proton conductivity even in a low-water-content state or a zero-water-content state by using a monomer compound represented by the general formula (1), and a graft copolymer compound in which the monomer compound represented by the general formula (1) is graft-copolymerized to the main chain of a fluorine-containing hydrocarbon polymer.



(1)



Tf indicates a trifluoromethane sulfonyl group ($-\text{SO}_2\text{CF}_3$).